

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/084712 A2

(51) International Patent Classification⁷: A61K 48/00,
31/713, C12N 15/11, C07H 21/00, A61P 35/04

(21) International Application Number:
PCT/EP2005/002101

(22) International Filing Date: 28 February 2005 (28.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04004478.6 27 February 2004 (27.02.2004) EP
60/558,135 1 April 2004 (01.04.2004) US

(71) Applicant (for all designated States except US): AN-
TISENSE PHARMA GMBH [DE/DE]; Josef-En-
gert-Strasse 9, 93053 Regensburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SCHLINGEN-
SIEPEN, Karl-Hermann [DE/DE]; Schubertstrasse
5, 93093 Donaustauf (DE). SCHLINGENSIEPEN,
Reimar [DE/DE]; Auf der Platte 4, 93051 Regensburg
(DE). JACHIMCZAK, Piotr [PL/DE]; Sterenstr. 37,

97074 Würzburg (DE). STAUDER, Gerhard [DE/DE];
Prümelweg 2, 82538 Geretsried (DE). BISCHOF, Astrid
[DE/DE]; Hans-Sachs-Strasse 9b, 93049 Regensburg
(DE). HAFNER, Michael [DE/DE]; Kueffnerstrasse 4,
93059 Regensburg (DE). EGGER, Tamara [AT/DE];
Raiffeisenstrasse 13, 93059 Regensburg (DE).

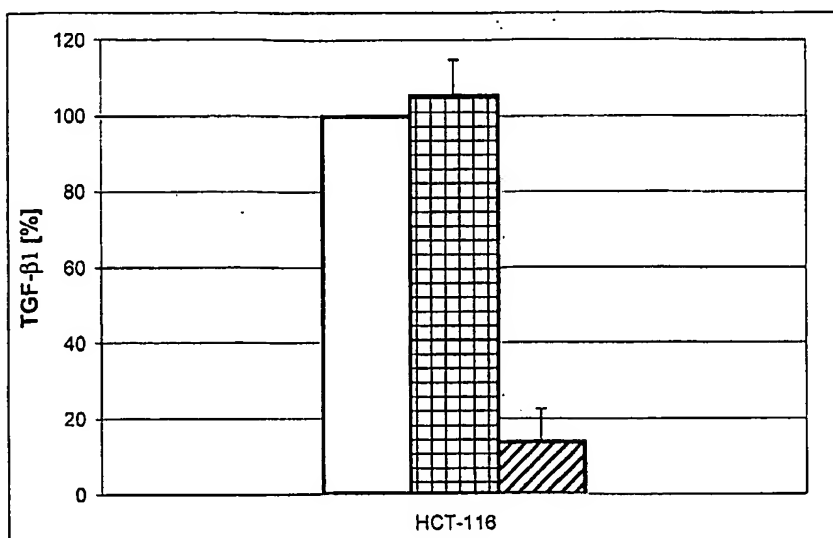
(74) Agent: ELBEL, Michaela; Glinkastrasse 30, 10117
Berlin (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: PHARMACEUTICAL COMPOSITION



(57) Abstract: The present invention is related to pharmaceutical compositions for the inhibition of metastases and treatment of cancer such as bladder carcinoma, colon cancer, endometrial cancer, hepatocellular carcinoma, leukemia, lymphoma, melanoma, non-small cell lung cancer (NSCLC), ovarian cancer, pancreatic cancer, prostate cancer, soft tissue cancer, renal cancer, osteosarcoma, mesothelioma, myeloma multiple, bladder carcinoma and esophageal cancer as well as the use of these pharmaceutical compositions for the treatment of said metastases and cancers. Another aspect of this invention are new antisense oligonucleotides inhibiting the formation of human interleukin 10 and their synthesis. A further aspect of this invention is the use IL-10 antisense oligonucleotides for the preparation of pharmaceutical compositions and for the treatment of cancer and metastases.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*